

Title (en)
SYSTEM AND METHOD FOR AUTOMATICALLY VENTING AND SAMPLING A CULTURE SPECIMEN CONTAINER

Title (de)
SYSTEM UND VERFAHREN ZUR AUTOMATISCHEN BELÜFTUNG UND PROBENENTNAHME BEI EINEM KULTURPROBENBEHÄLTER

Title (fr)
SYSTÈME ET PROCÉDÉ DE VENTILATION ET D'ÉCHANTILLONNAGE AUTOMATIQUES D'UN RÉCIPIENT À ÉCHANTILLON DE CULTURE

Publication
EP 2430456 B1 20181212 (EN)

Application
EP 10769101 A 20100514

Priority

- US 2010034956 W 20100514
- US 21633909 P 20090515

Abstract (en)
[origin: US2010288060A1] A sampling device for a specimen container having a closure sealing the interior of the specimen container from the environment includes a needle, a body coupled to the needle and defining a chamber in fluid communication with the needle, the body further comprising a port forming an opening in the body, the port in fluid communication with the chamber. A multitude of the sampling devices may be stored in a cassette. The sampling devices may include a second chamber for separation and concentration of a microbial agent present in a sample. In this configuration second chamber is connected to the first chamber via a valve or the like.

IPC 8 full level
G01N 35/00 (2006.01)

CPC (source: BR EP US)
C12Q 1/24 (2013.01 - BR US); **G01N 35/0099** (2013.01 - BR EP US); **G01N 35/1079** (2013.01 - BR); **G01N 35/1079** (2013.01 - EP US); **Y10S 901/30** (2013.01 - EP US)

Citation (examination)

- US 5262049 A 19931116 - FERKANY MICHAEL A [US]
- US 2004043481 A1 20040304 - WILSON JOHN R [US]

Cited by
US10995311B2; US10655188B2; US11505835B2; WO2023073399A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2010288060 A1 20101118; US 9574219 B2 20170221; AU 2010248809 A1 20111124; AU 2010248809 B2 20150709; BR PI1012878 A2 20160405; BR PI1012879 A2 20160405; BR PI1012879 B1 20191029; CA 2760982 A1 20101118; CA 2760982 C 20190115; CN 102460177 A 20120516; CN 102460177 B 20160203; CN 102803959 A 20121128; CN 102803959 B 20150708; EP 2430445 A2 20120321; EP 2430445 B1 20200916; EP 2430456 A2 20120321; EP 2430456 B1 20181212; JP 2012526996 A 20121101; JP 2015130864 A 20150723; JP 6019143 B2 20161102; US 10047387 B2 20180814; US 2010291615 A1 20101118; US 2010291618 A1 20101118; US 2010291669 A1 20101118; US 2014072998 A1 20140313; US 2018298419 A1 20181018; US 8609024 B2 20131217; US 8911987 B2 20141216; WO 2010132805 A2 20101118; WO 2010132805 A3 20111006; WO 2010132823 A2 20101118; WO 2010132823 A3 20110623

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US 80039210 A 20100514; AU 2010248809 A 20100514; BR PI1012878 A 20100514; BR PI1012879 A 20100514; CA 2760982 A 20100514; CN 201080031445 A 20100514; CN 201080031982 A 20100514; EP 10726716 A 20100514; EP 10769101 A 20100514; JP 2012511054 A 20100514; JP 2015015302 A 20150129; US 2010034956 W 20100514; US 2010034987 W 20100514; US 201314078609 A 20131113; US 201815962256 A 20180425; US 80038710 A 20100514; US 80038810 A 20100514; US 80039610 A 20100514